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VOL. III.

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No. 4.



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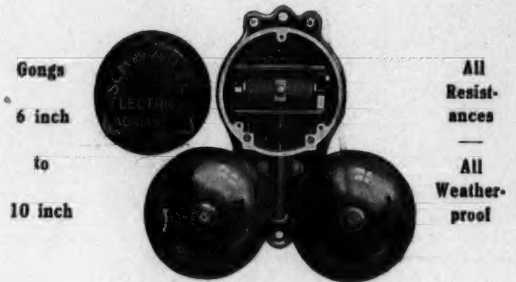
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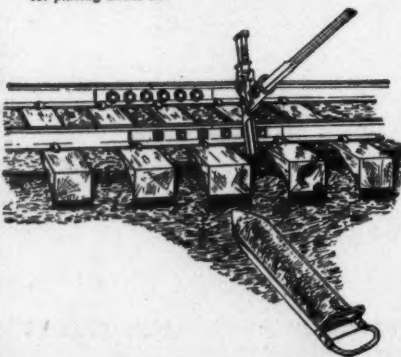
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for placing under tie.



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antee that ev-
ery particle of
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FIG. 2—Showing pan removed, ballast under tie, and cleaner
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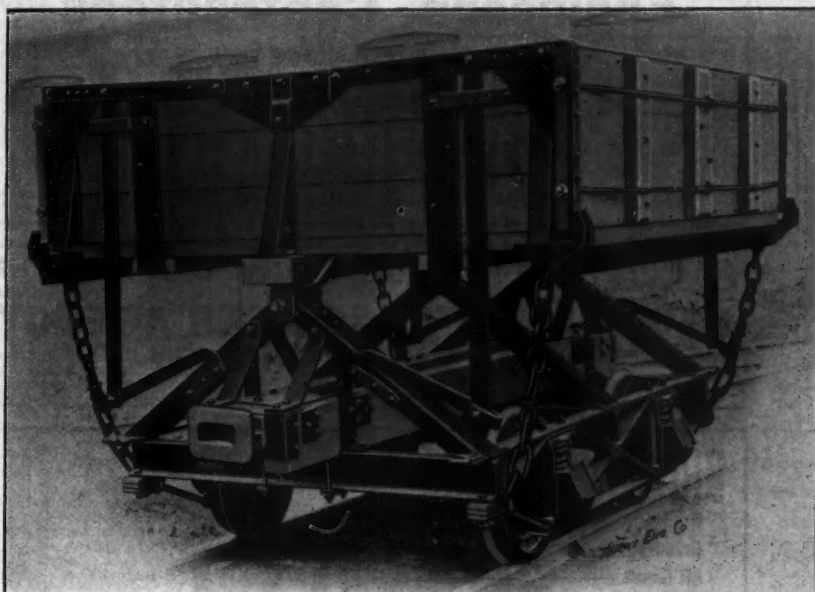
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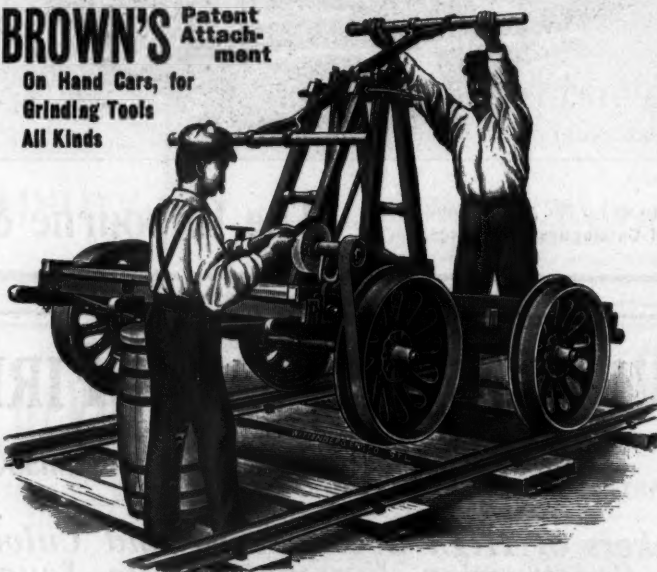
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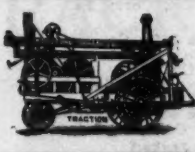
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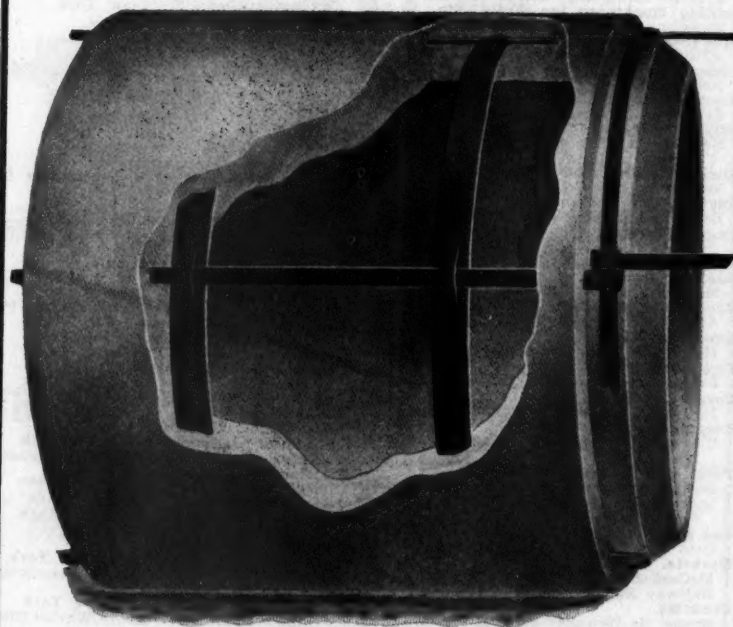
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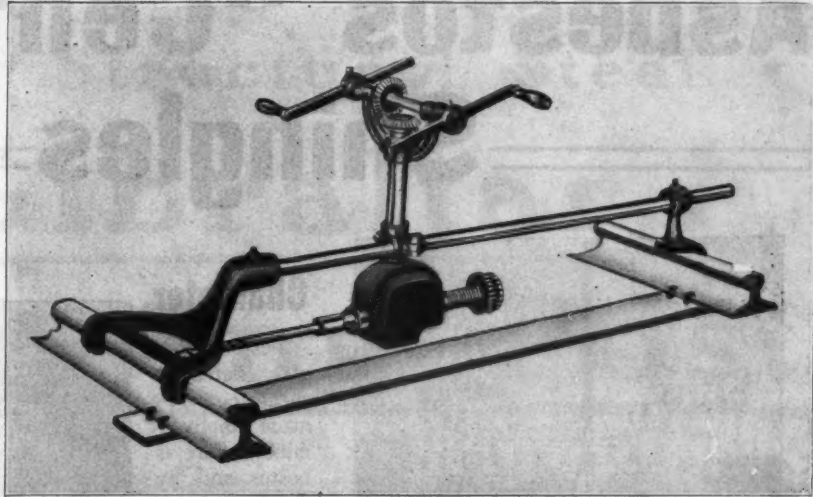
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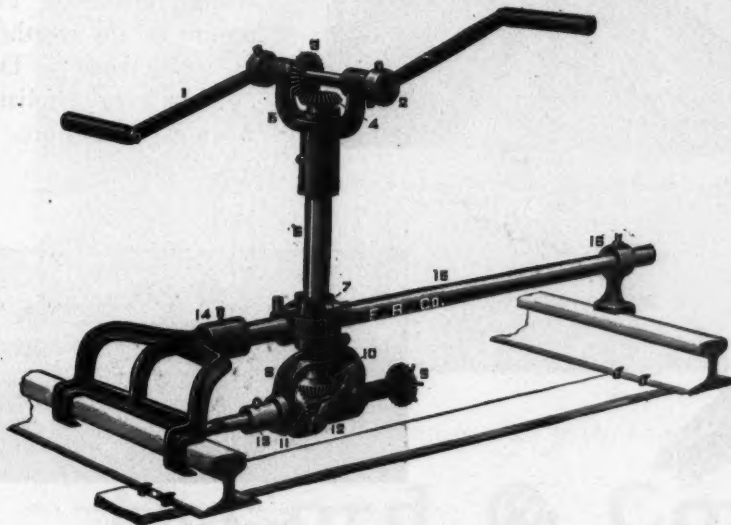


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as a quick return of spindle by reversing the cranks, and the drill backs out much faster than could possibly be done any other way. It is adjustable in every way that is required of this kind of a machine. The socket is bored for 41-64 straight shank drills, and a sleeve is provided so that drills with $\frac{1}{2}$ inch straight shank can also be used. One revolution of the crank gives one revolution of the drill. Cut gears are used, and the lower set are boxed in to protect them from dirt.

TRACK DRILL NO. 19

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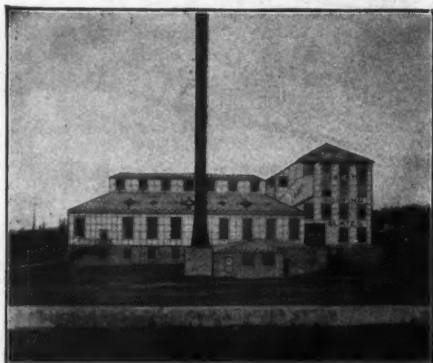
This Machine was brought out to meet the demand for a reliable, efficient Track Drill to drill $\frac{7}{8}$ inch holes in heavy rails for bonding, and to do this day after day without breaking down. The Drill is designed to be operated by two men standing, thus doing their work to the best advantage. The Machine has an automatic friction feed that may be adjusted to feed fast or slow. The frame is adjustable in every way that is required of a Track Drill, and when adjusted may be quickly set in place for each

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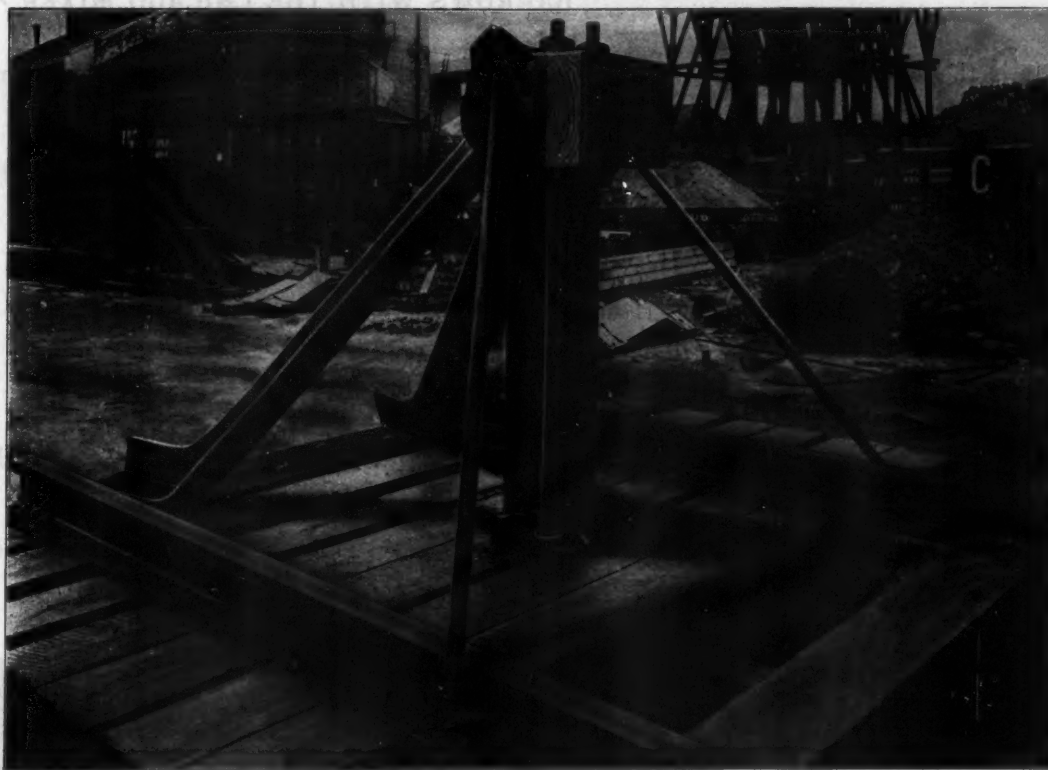
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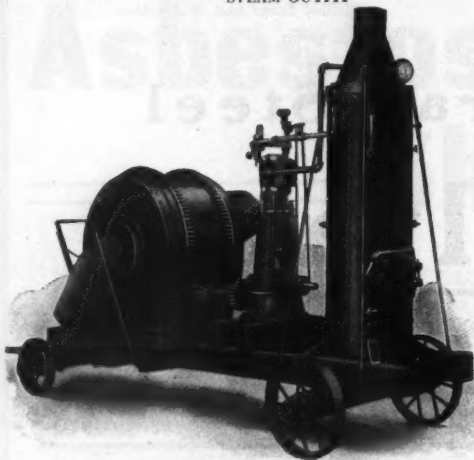
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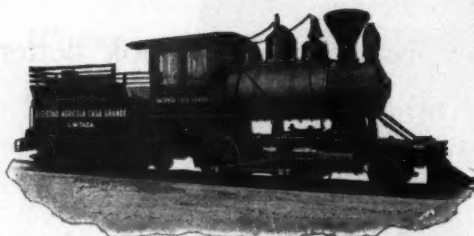
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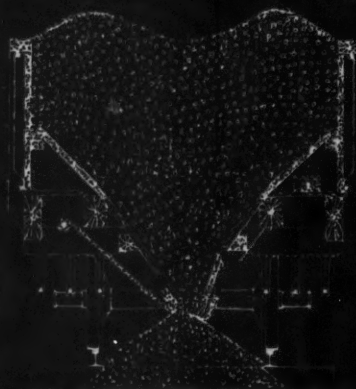
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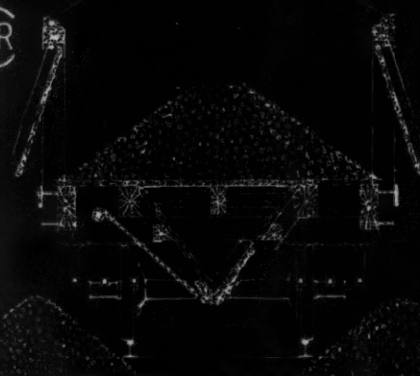
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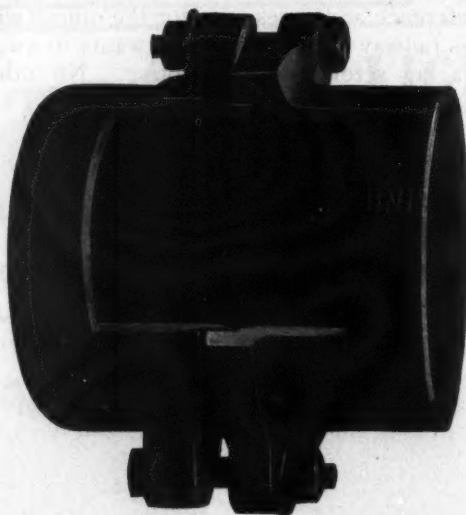


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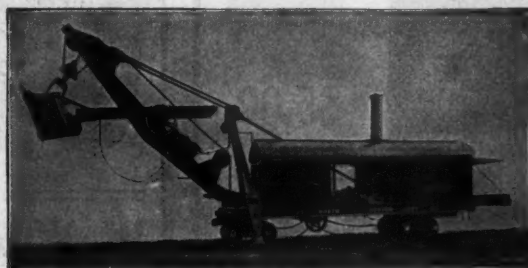
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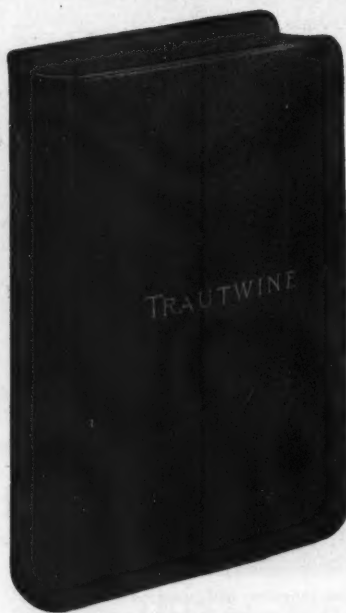
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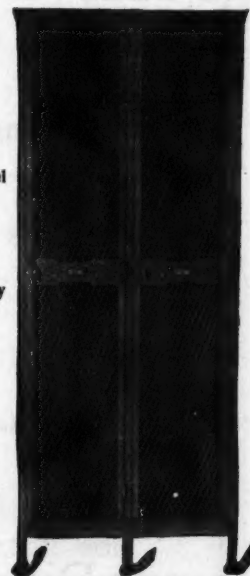
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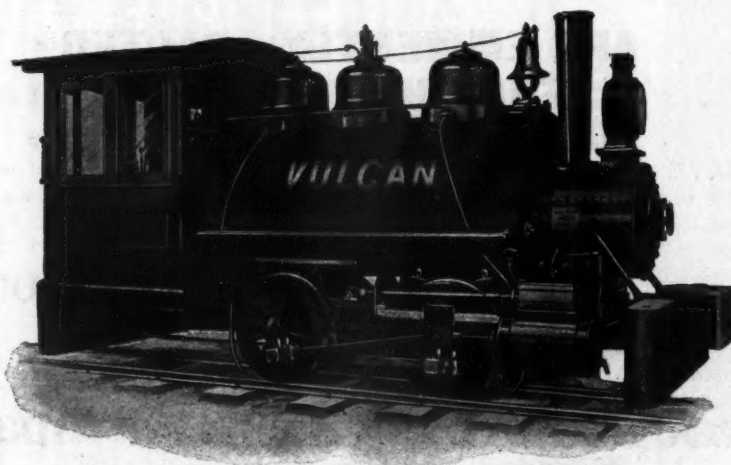
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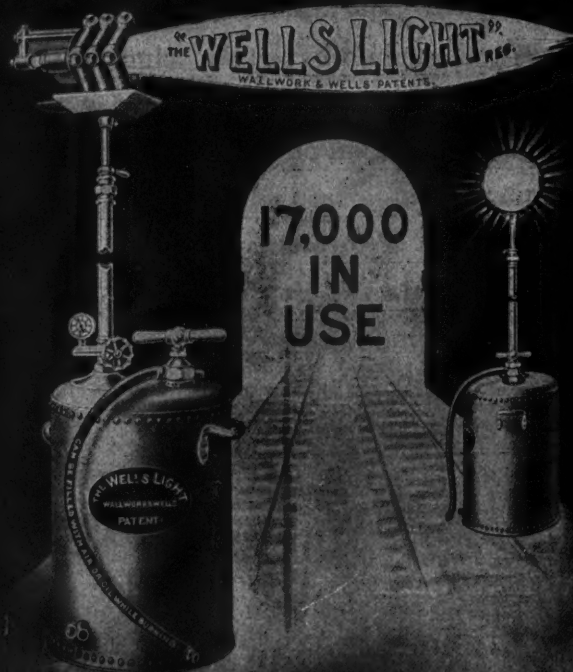
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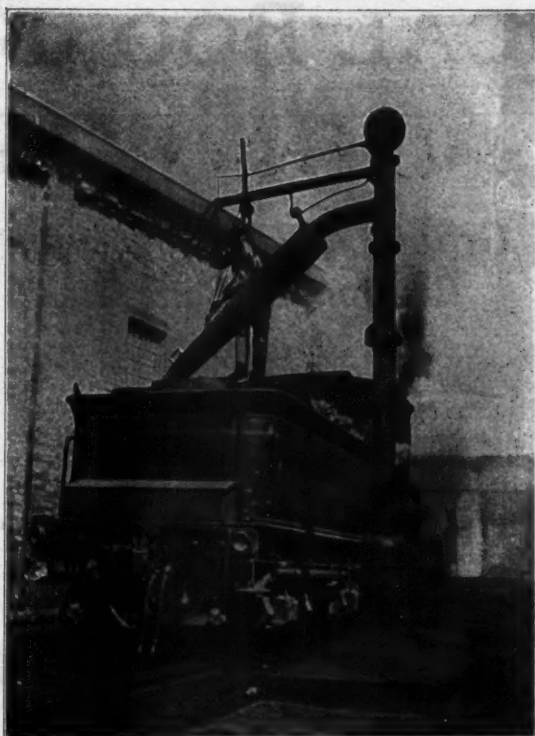
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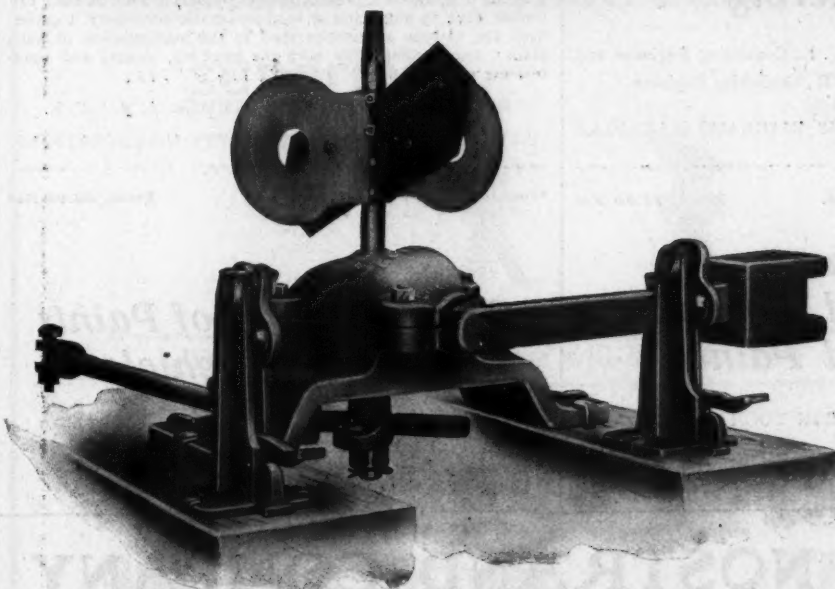
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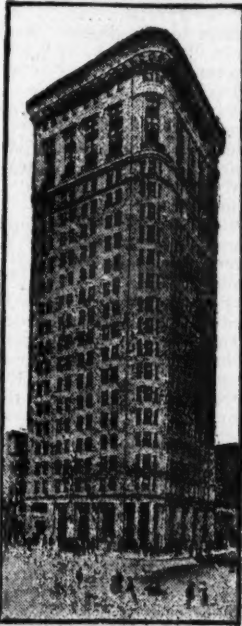
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Not more than a dozen basements in the big skyscrapers and retail palaces below Wood street were safe against the water which backed up from the storm sewers. With the decline of the waters yesterday morning the pumps were installed in nearly every basement in the business district.

More than 500 pumps were working last night in downtown Pittsburg alone. They converted the business streets into small creeks. Wood street was almost ankle deep for hours with the water from these pumps.

The insufficient notice of the flood resulted in the loss of thousands of dollars to merchants in territory usually above the flood district. Dozens of merchants went home Wednesday night, after the first notice of a 26-foot stage of water, and returned to find their basements filling Thursday morning.

The value of the concrete waterroof basement was shown as never before.

In Fourth avenue the new Union Bank skyscraper at the corner of Wood street, which is not yet wholly enclosed, furnished power yesterday to a half dozen of the older buildings around it. Its deep basement was dry, while that of the Commonwealth Trust Company, adjoining it, contained 11 feet of water.

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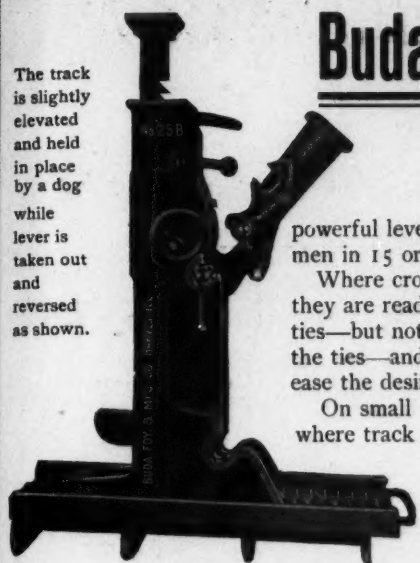
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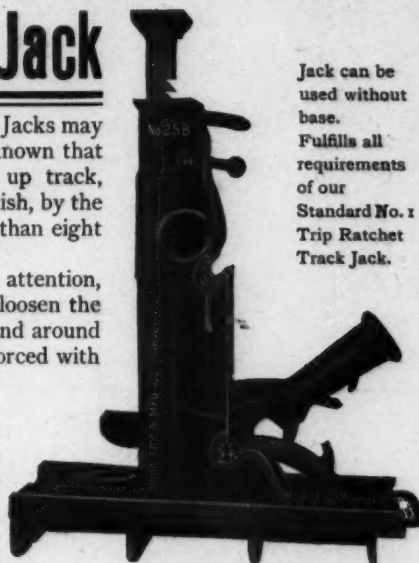
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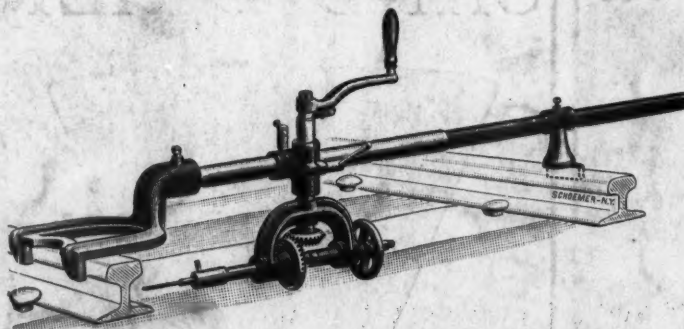
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